INDEX

Adrian, R. J. *See* Mei, Lawrence & Adrian

Antonia, R. A., Kim, J. & Browne, L. W. B. Some characteristics of small-scale turbulence in a turbulent duct flow, 369–388

Barston, E. M. On the linear stability of inviscid incompressible plane parallel flow, 157–163

Bilger, R. W., Saetran, L. R. & Krishnamoorthy, L. V. Reaction in a scalar mixing layer, 211–242

Brennen, C. E. *See* Ceccio & Brennen

Browne, L. W. B. *See* Antonia, Kim & Browne

Carnevale, G. F., Kloosterziel, R. C. & Heijst, G. J. F. van. Propagation of barotropic vortices over topography in a rotating tank, 119–139

Ceccio, S. L. & Brennen, C. E. Observations of the dynamics and acoustics of travelling bubble cavitation, 633–660

Chang, C.-C. & Chern, R.-L. A numerical study of flow around an impulsively started circular cylinder by a deterministic vortex method, 243–263

Chang, C.-C. & Chern, R.-L. Vortex shedding from an impulsively started rotating and translating circular cylinder, 265–298

Chen, J., Dagan, Z. & Maldarelli, C. The axisymmetric thermocapillary motion of a fluid particle in a tube, 405–437

Chern, R.-L. *See* Chang & Chern

Dagan, G. Dispersion of a passive solute in non-ergodic transport by steady velocity fields in heterogeneous formations, 197–210

Dagan, Z. *See* Chen, Dagan & Maldarelli

Dick, J. E. & Sleath, J. F. A. Velocities and concentrations in oscillatory flow over beds of sediment, 165–196

George, W. K. & Hussein, H. J. Locally axisymmetric turbulence, 1–23

Heijst, G. J. F. van *See* Carnevale, Kloosterziel & Heijst

Ho, L. W. *See* Johnston, Kamm, Ho, Shapiro & Pedley

Husain, H. S. & Hussain, F. Elliptic jets. Part 2. Dynamics of coherent structures: pairing, 439–482

Hussain, F. *See* Husain & Hussain

Hussein, H. J. *See* George & Hussein

Imberger, J. *See* McDonald & Imberger

Johnson, M., Kamm, R. D., Ho, L. W., Shapiro, A. & Pedley, T. J. The nonlinear growth of surface-tension-driven instabilities of a thin annular film, 141–156

Kamm, R. D. *See* Johnson, Kamm, Ho, Shapiro & Pedley

Kim, J. *See* Antonia, Kim & Browne

Kloosterziel, R. C. *See* Carnevale, Kloosterziel & Heijst

Krishnamoorthy, L. V. *See* Bilger, Saetran & Krishnamoorthy

Lawrence, C. J. *See* Mei, Lawrence & Adrian

Leibovich, S. *See* Yang & Leibovich

Longuet-Higgins, M. S. *See* Miller, Shemdin & Longuet-Higgins

INDEX

Adrian, R. J. *See* Mei, Lawrence & Adrian

Antonia, R. A., Kim, J. & Browne, L. W. B. Some characteristics of small-scale turbulence in a turbulent duct flow, 369–388

Barston, E. M. On the linear stability of inviscid incompressible plane parallel flow, 157–163

Bilger, R. W., Saetran, L. R. & Krishnamoorthy, L. V. Reaction in a scalar mixing layer, 211–242

Brennen, C. E. *See* Ceccio & Brennen

Browne, L. W. B. *See* Antonia, Kim & Browne

Carnevale, G. F., Kloosterziel, R. C. & Heijst, G. J. F. van. Propagation of barotropic vortices over topography in a rotating tank, 119–139

Ceccio, S. L. & Brennen, C. E. Observations of the dynamics and acoustics of travelling bubble cavitation, 633–660

Chang, C.-C. & Chern, R.-L. A numerical study of flow around an impulsively started circular cylinder by a deterministic vortex method, 243–263

Chang, C.-C. & Chern, R.-L. Vortex shedding from an impulsively started rotating and translating circular cylinder, 265–298

Chen, J., Dagan, Z. & Maldarelli, C. The axisymmetric thermocapillary motion of a fluid particle in a tube, 405–437

Chern, R.-L. *See* Chang & Chern

Dagan, G. Dispersion of a passive solute in non-ergodic transport by steady velocity fields in heterogeneous formations, 197–210

Dagan, Z. *See* Chen, Dagan & Maldarelli

Dick, J. E. & Sleath, J. F. A. Velocities and concentrations in oscillatory flow over beds of sediment, 165–196

George, W. K. & Hussein, H. J. Locally axisymmetric turbulence, 1–23

Heijst, G. J. F. van *See* Carnevale, Kloosterziel & Heijst

Ho, L. W. *See* Johnston, Kamm, Ho, Shapiro & Pedley

Husain, H. S. & Hussain, F. Elliptic jets. Part 2. Dynamics of coherent structures: pairing, 439–482

Hussain, F. *See* Husain & Hussain

Hussein, H. J. *See* George & Hussein

Imberger, J. *See* McDonald & Imberger

Johnson, M., Kamm, R. D., Ho, L. W., Shapiro, A. & Pedley, T. J. The nonlinear growth of surface-tension-driven instabilities of a thin annular film, 141–156

Kamm, R. D. *See* Johnson, Kamm, Ho, Shapiro & Pedley

Kim, J. *See* Antonia, Kim & Browne

Kloosterziel, R. C. *See* Carnevale, Kloosterziel & Heijst

Krishnamoorthy, L. V. *See* Bilger, Saetran & Krishnamoorthy

Lawrence, C. J. *See* Mei, Lawrence & Adrian

Leibovich, S. *See* Yang & Leibovich

Longuet-Higgins, M. S. *See* Miller, Shemdin & Longuet-Higgins

Lun, C. K. K. Kinetic theory for granular flow of dense, slightly inelastic, slightly rough spheres, 539–559

Maldarelli, C. *See* Chen, Dagan & Maldarelli

McDonald, N. R. & Imberger, J. A line sink in a rotating stratified fluid, 349–368

Mei, R., Lawrence, C. J. & Adrian, R. J. Unsteady drag on a sphere at finite Reynolds number with small fluctuations in the free-stream velocity, 613–631

Miller, S. J., Shemdin, O. H. & Longuet-Higgins, M. S. Laboratory measurements of modulation of short-wave slopes by long surface waves, 389–404

Miller, T. L. & Reynolds, N. D. A study of baroclinic instability in a cylindrical annulus with the temperature gradient imposed on the lower surface, 495–518

Milton, G. W. *See* Smereka & Milton

Moore, D. R., Weiss, N. O. & Wilkins, J. M. Asymmetric oscillations in thermosolutal convection, 561–585

Moser, R. D. *See* Vastano & Moser

O'Brien, S. B. G. On the shape of small sessile and pendant drops by singular perturbation techniques, 519–537

Ogawa, M., Schubert, G. & Zebib, A. Numerical simulations of three-dimensional thermal convection in a fluid with strongly temperature-dependent viscosity, 299–328

Palm, E. Nonlinear wave reflection from a submerged circular cylinder, 49–63

Pedley, T. J. *See* Johnson, Kamm, Ho, Shapiro & Pedley

Reynolds, N. D. *See* Miller & Reynolds

Robert, R. *See* Sommeria, Staquet & Robert

Saetran, L. R. *See* Bilger, Saetran & Krishnamoorthy

Schubert, G. *See* Ogawa, Schubert & Zebib

Shapiro, A. *See* Johnson, Kamm, Ho, Shapiro & Pedley

Shemdin, O. H. *See* Miller, Shemdin & Longuet-Higgins

Shukhman, I. G. Nonlinear evolution of spiral density waves generated by the instability of the shear layer in a rotating compressible fluid, 587–612

Sleath, J. F. A. *See* Dick & Sleath

Smereka, P. & Milton, G. W. Bubbly flow and its relation to conduction in composites, 65–81

Sommeria, J., Staquet, C. & Robert, R. Final equilibrium state of a two-dimensional shear layer, 661–689

Staquet, C. *See* Sommeria, Staquet & Robert

Troitskaya, Yu. I. The viscous-diffusion nonlinear critical layer in a stratified shear flow, 25–48

Vastano, J. A. & Moser, R. D. Short-time Lyapunov exponent analysis and the transition to chaos in Taylor–Couette flow, 83–118

Weiss, N. O. *See* Moore, Weiss & Wilkins

Wilkins, J. M. *See* Moore, Weiss & Wilkins

Yang, Z. & Leibovich, S. Nonlinear dynamics near the stability margin in rotating pipe flow, 329–347

Zebib, A. *See* Ogawa, Schubert & Zebib

Zhevandrov, P. Edge waves on a gently sloping beach: uniform asymptotics, 483–493